

Appendix A

Examples of Typical Sampling and Analysis Plan Tables for the OU 7-10 Glovebox Excavator Method Project

Appendix A

Examples of Typical Sampling and Analysis Plan Tables for the OU 7-10 Glovebox Excavator Method Project

This appendix contains examples of typical sampling and analysis plan tables that will be used for the OU 7-10 Glovebox Excavator Method Project. These tables contain the following information:

- Sample description fields
- Sample location fields
- Analysis types
- Specific analysis code designations.

These tables are discussed in Section 4.2 of the Field Sampling Plan.

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: PIT 9 GEM PROJ

SAP Number: INEEL-EXT-02-00542

Date: 07/10/2002

Plan Table Revision: 10

Project: QH-710 GLOVEBOX EXCAVATOR METHOD PROJECT

DRAFT

Project Manager: SCHAUCH, H.

SNO Contact: MCGRIFF, T. W.

Sampling Activity	Sample Description			Sample Location			Enter Analysis Types (AT1) and Quantity Requested																				
	Sample Type	Sample Matrix	Col/Type	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19
PRGL01	REG/OC	LIQUID	GRAB	07/01/03	RWM/C-PIT 9	WASTE ZONE	TBD	N/A																			
PRGL02	REG	LIQUID	GRAB	07/01/03	RWM/C-PIT 9	WASTE ZONE	TBD	N/A																			
PRGL03	REG	LIQUID	GRAB	07/01/03	RWM/C-PIT 9	WASTE ZONE	TBD	N/A																			
PRGL04	REG	LIQUID	GRAB	07/01/03	RWM/C-PIT 9	WASTE ZONE	TBD	N/A																			
PRGL05	REG	LIQUID	GRAB	07/01/03	RWM/C-PIT 9	WASTE ZONE	TBD	N/A																			
PRGL06	REG	LIQUID	GRAB	07/01/03	RWM/C-PIT 9	WASTE ZONE	TBD	N/A																			
PRGL07	REG	LIQUID	GRAB	07/01/03	RWM/C-PIT 9	WASTE ZONE	TBD	N/A																			
PRGL08	REG	LIQUID	GRAB	07/01/03	RWM/C-PIT 9	WASTE ZONE	TBD	N/A																			
PRGL09	REG	LIQUID	GRAB	07/01/03	RWM/C-PIT 9	WASTE ZONE	TBD	N/A																			
PRGL10	REG	LIQUID	GRAB	07/01/03	RWM/C-PIT 9	WASTE ZONE	TBD	N/A																			
PRGL11	REG	LIQUID	GRAB	07/01/03	RWM/C-PIT 9	WASTE ZONE	TBD	N/A																			
PRGL12	REG	LIQUID	GRAB	07/01/03	RWM/C-PIT 9	WASTE ZONE	TBD	N/A																			
PRGL13	REG	LIQUID	GRAB	07/01/03	RWM/C-PIT 9	WASTE ZONE	TBD	N/A																			
PRGL14	REG	LIQUID	GRAB	07/01/03	RWM/C-PIT 9	WASTE ZONE	TBD	N/A																			
PRGL15	REG	LIQUID	GRAB	07/01/03	RWM/C-PIT 9	WASTE ZONE	TBD	N/A																			

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

AT1: Analyzed Sample #1

A111:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Ne-227, Gamma Spec., Pu-239, U-235, Radon-226

Analysis Suite #3: Arsenic, Major Cations

Confidential:

Comments:
Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WHPP protocol and will include NMP required as per WHPP methods.
This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER Dapp. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242 isotopic Uranium includes U-232/234, U-225 and U-228.

VOCS will samples notable as being taken from 4.67 to 5.0 ft. will be taken from the deepest available position in cases where the core is less than 5.6 in depth.

A-4

DRAFT

Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT

Plan Table Number: PIT 9 GEM PROJECT

SAP Number: INEUEXT-02-00542

Date: 07/10/2012

Plan Table Revision: 10

Project Manager: SALOMON, H.

SMO Contact: MCGRIFF, T. W.

Sampling Activity	Sample Type	Sample Matrix	Cell Type	Planned Date	Area	Type of Location	Location	Depth (ft)	Enter Analysis Types (AT) and Quantity Requested																		
									A11	A12	A13	A14	A15	A16	A17	A18	A19	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19
P9GL16	REG	LIQUID	GRAB	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A	JA	9A	1G	CN	M7	N1	PC	SB	VA										
P9GL17	REG	LIQUID	GRAB	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A										1									
P9GL18	REG	LIQUID	GRAB	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A										1									
P9GL19	REG	LIQUID	GRAB	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A										1									
P9GL20	REG	LIQUID	GRAB	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A										1									
P9GL21	REG/C	LIQUID	DUP	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A										1									
P9GL22	REG	LIQUID	GRAB	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A										2									
P9GL23	REG	LIQUID	GRAB	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A										1									
P9GL24	REG	LIQUID	GRAB	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A										1									
P9GL25	REG	LIQUID	GRAB	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A										1									
P9GL26	REG	LIQUID	GRAB	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A										1									
P9GL27	REG	LIQUID	GRAB	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A										1									
P9GL28	REG	LIQUID	GRAB	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A										1									
P9GL29	REG	LIQUID	GRAB	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A										1									
P9GL30	REG	LIQUID	GRAB	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD	N/A										1									

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

Comments:

- Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analyses per WIPP methods. This will be specified in the laboratory contract.
- Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER O&P. This will be specified in the laboratory contract.
- Analysis Suite #3: Analyte: Total & Amenable
- Analysis Suite #4: Moisture Content
- Analysis Suite #5: Nitrate
- Analysis Suite #6: PCBs
- Analysis Suite #7: Sequential Radionuclide Extractions
- Analysis Suite #8: VOCs (TAL)
- Analysis Suite #9: VOCs (TAL)
- Analysis Suite #10: Contingencies:
- Analysis Suite #11: Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals
- Analysis Suite #12: Am-241, Ne-231, Gamma Spec, Pu-239/240 and Pt-242
- Analysis Suite #13: Isotopic Uranium includes U-233/234, U-235 and U-238
- Analysis Suite #14: VOC grab samples noted as being taken from 0'-5' to 50' ft, will be taken from the deepest available position in cases where the core is less than 5 ft in length.

DRAFT

Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT

Project Manager: SALOMON, H.

SAP Contact: MCGRIFF, T.W.

Sample Description				Sample Location				Enter Analysis Types (AT) and Quantity Requested																							
Sampling Activity	Sample Type	Sample Matrix	Coll Type	Planned Date	Area	Type of Location	Location	Depth (ft)				AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
P93M01	REGOC	WASTE	DUP	07/01/03	RWMIC-PT9	WASTE ZONE	TBD	N/A				3A	3A	1G	MT	N1	PC	SB	VA												
P93M02	REG	WASTE	GRAB	07/01/03	RWMIC-PT9	WASTE ZONE	TBD	N/A																							
P93M03	REG	WASTE	GRAB	07/01/03	RWMIC-PT9	WASTE ZONE	TBD	N/A																							
P93M04	REG	WASTE	GRAB	07/01/03	RWMIC-PT9	WASTE ZONE	TBD	N/A																							
P93M05	REG	WASTE	GRAB	07/01/03	RWMIC-PT9	WASTE ZONE	TBD	N/A																							
P93M06	REGOC	WASTE	DUP	07/01/03	RWMIC-PT9	WASTE ZONE	TBD	N/A																							
P93M07	REG	WASTE	COMP	07/01/03	RWMIC-PT9	WASTE ZONE	TBD	N/A																							
P93M08	REG	WASTE	COMP	07/01/03	RWMIC-PT9	WASTE ZONE	TBD	N/A																							
P93M09	REG	WASTE	COMP	07/01/03	RWMIC-PT9	WASTE ZONE	TBD	N/A																							
P93M10	REG	WASTE	COMP	07/01/03	RWMIC-PT9	WASTE ZONE	TBD	N/A																							

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

- AT1: Analysis Suite #1
- AT2: Analysis Suite #2
- AT3: Analysis Suite #3
- AT4: Cyanide (Total & Amenable)
- AT5: Methylene Content
- AT6: Nitrate
- AT7: PCBs
- AT8: Sequential Radioisotope Extractions
- AT9: VOCs (TAA)
- AT10: Analysis Suites:
- AT11: Analysis Suite #1: Nitrate, PCBs, SVOCs (TAA), VOCs (TAA), Total Metals
- AT12: Analysis Suite #2: Am-241, Hg-231, Gamma Spect., Pu-238, U-235/234
- AT13: Analysis Suite #3: Arsenic, Major Cations
- AT14: Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.
- AT15: Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.
- AT16: Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.
- AT17: VOC grab samples noted as being taken from 4.67 to 5.0 ft. will be taken from the deepest available position in casedes where the core is less than 5 ft in length.
- AT18: Contingencies:
- AT19:
- AT20:

DRAFT

SMO Contact: MCGRIFF, T.W.
 Project Manager: SALOMON, H.

Sample Description				Sample Location				Enter Analysis Types (AT) and Quantity Requested											
Sampling Activity	Sample Type	Sample Matrix	Col Type	Planned Date	Area	Type of Location	Location	Depth (ft)				AT1 AT2 AT3 AT4 AT5 AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20							
								JA	9A	1C	CN	M7	N1	PC	S8	VA			
P9GN11	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD										1		
P9GN12	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD										1		
P9GN13	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD										1		
P9GN14	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD										1		
P9GN15	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD										1		
P9GN16	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD										1		
P9GN17	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD										1		
P9GN18	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD										1		
P9GN19	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD										1		
P9GN20	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD										1		
P9GN21	REG/LOC	WASTE	DUP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD										2		
P9GN22	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD										1		
P9GN23	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD										1		
P9GN24	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD										1		
P9GN25	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD										1		

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

- A1: Analysis Suite #1
AT1: _____
- A12: Analysis Suite #2
AT12: _____
- A13: Analysis Suite #3
AT13: _____
- A14: Crayon (Total & Amenable)
AT14: _____
- A15: Medium Content
AT15: _____
- AT16: Nitrate
AT16: _____
- AT17: PCBs
AT17: _____
- AT18: Sequential Radioisotope Extractions
AT18: _____
- AT19: VOCs (TAN)
AT19: _____
- AT20: VOCs samples noted as being taken from 4'6" to 5'0" L, will be taken from the deepest available position in cases where the core is less than 5'1 in length.
AT20: _____

Contingencies:
 Analysis Suite #1: Nitrate, PCBs, SVOCs (TAN), VOCs (TAN), Total Metals
 Analysis Suite #2: Am-241, Ne-237, Gamma Spec, Pu-140, U-235, Radium-226
 Analysis Suite #3: Arsenic, Major Cations

DRAFT

Project Manager: SALOMON, H.

SMO Contact: MCGRIFF, T.W.

Sample Description			Sample Location			Enter Analysis Types (AT) and Quantities Requested																						
Sampling Activity	Sample Type	Sample Matrix	Cell Type	Planned Date	Area	Type of Location	Location	Depth (m)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
P9GR26	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
P9GR27	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
P9GR28	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
P9GR29	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
P9GR30	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
P9GR01	REG/QC	WASTE	DUP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
P9GR02	REG	WASTE	GRAB	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
P9GR03	REG	WASTE	GRAB	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
P9GR04	REG	WASTE	GRAB	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
P9GR05	REG	WASTE	GRAB	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
P9GR06	REG	WASTE	GRAB	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
P9GR07	REG	WASTE	GRAB	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
P9GR08	REG	WASTE	GRAB	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
P9GR09	REG	WASTE	GRAB	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
P9GR10	REG	WASTE	GRAB	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analyses per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #3: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #4: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #5: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #6: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #7: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #8: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #9: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #10: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #11: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #12: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #13: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #14: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #15: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #16: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #17: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #18: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #19: VOCs (TAL)

Analysis Suite #20: Contingencies:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Ar-241, Ne-232, Gamma Spectro., Pulse, U-238, Radon

Analysis Suite #3: Arsenic, Major Cations

Plan Table Number: PT 9 GEM PRO/E

SAP Number: INEUEXT42-00542

Date: 07/10/2022 Plan Table Revision: 1.0

Project: 0U7-10 GLOVEBOX EXCAVATOR METHOD PROJECT

DRAFT

SMO Contact: MCGRIFF, T. W.

Project Manager: SALONON, H.

Sampling Activity	Sample Type	Sample Matrix	Coll. Type	Planned Date	Area	Type of Location	Location	Enter Analysis Types (AT) and Quantity Requested																	
								AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18
PREGJ10	REG	SOIL	GRAB	07/01/03	RWM/C-PT 9	UNDERBURDEN	PB-CORE-1	TBD (0.5)	10	5	5	5	5	1	2										
PREGJ1A	REG	SOIL	GRAB	07/01/03	RWM/C-PT 9	UNDERBURDEN	PB-CORE-1	0.0 - 0.33	1																
PREGJ1B	REG	SOIL	GRAB	07/01/03	RWM/C-PT 9	UNDERBURDEN	PB-CORE-1	0.34 - 0.66	1																
PREGJ1C	REG	SOIL	GRAB	07/01/03	RWM/C-PT 9	UNDERBURDEN	PB-CORE-1	0.67 - 1.0	1																
PREGJ1D	REG	SOIL	COMP	07/01/03	RWM/C-PT 9	UNDERBURDEN	PB-CORE-1	0.0 - 0.10		1															
PREGJ1E	REG	SOIL	GRAB	07/01/03	RWM/C-PT 9	UNDERBURDEN	PB-CORE-1	1.0 - 1.33	1																
PREGJ1F	REG	SOIL	GRAB	07/01/03	RWM/C-PT 9	UNDERBURDEN	PB-CORE-1	1.34 - 1.66	1																
PREGJ1G	REG	SOIL	GRAB	07/01/03	RWM/C-PT 9	UNDERBURDEN	PB-CORE-1	1.67 - 2.0	1																
PREGJ1H	REG	SOIL	COMP	07/01/03	RWM/C-PT 9	UNDERBURDEN	PB-CORE-1	1.0 - 2.0		1															
PREGJ1I	REG	SOIL	GRAB	07/01/03	RWM/C-PT 9	UNDERBURDEN	PB-CORE-1	2.0 - 2.33	1																
PREGJ1J	REG	SOIL	GRAB	07/01/03	RWM/C-PT 9	UNDERBURDEN	PB-CORE-1	2.34 - 2.66	1																
PREGJ1K	REG	SOIL	GRAB	07/01/03	RWM/C-PT 9	UNDERBURDEN	PB-CORE-1	2.67 - 3.0	1																
PREGJ1L	REG	SOIL	COMP	07/01/03	RWM/C-PT 9	UNDERBURDEN	PB-CORE-1	2.0 - 3.0		1															
PREGJ1M	REG	SOIL	GRAB	07/01/03	RWM/C-PT 9	UNDERBURDEN	PB-CORE-1	3.0 - 3.33	1																
PREGJ1N	REG	SOIL	GRAB	07/01/03	RWM/C-PT 9	UNDERBURDEN	PB-CORE-1	3.34 - 3.66	1																

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

Comments:

Analysis Suite #1: _____

Analysis Suite #2: _____

Analysis Suite #3: _____

Analysis Suite #4: _____

Cyanide (Total & Amenable): _____

Moisture Content: _____

Nitrates: _____

PCBs: _____

Sediment/Bottom Sediment Extractions: _____

VOCs (TAL): _____

Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Ni-237, Gamma Spec, Pu-140, U-238, Radiium-226

Analysis Suite #3: Arsenic, Major Cations

Contingencies:

AT1: _____

AT2: _____

AT3: _____

AT4: _____

AT5: _____

AT6: _____

AT7: _____

AT8: _____

AT9: _____

AT10: _____

AT11: _____

AT12: _____

AT13: _____

AT14: _____

AT15: _____

AT16: _____

AT17: _____

AT18: _____

AT19: _____

AT20: _____

DRAFT

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: PIT 9 GEM PROJE
SAB Number: INEEI 601-000547

Sampling and

AII 10 G OVERBAY EXCAVATOR METHOD PROJECT

AD PROJECT

S10 2-1-17

DRAFT MASTERS

Plan Table Number: PIT 3 GEM PROJ

SAP Number: INEUE/EXT-00542

Date: 07/07/2002

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Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT

DRAFT

Project Manager: SALOMON, H.

SMO Contact: MCGRIFF, T.W.

Sample Description				Sample Location				Enter Analysis Types (AT) and Quantity Requested											
Sampling Activity	Sample Type	Sample Matrix	Coll. Type	Planned Date	Area	Type of Location	Location	Depth (ft)				AT1 AT2 AT3 AT4 AT5 AT6 AT7 AT8 AT9 AT10 AT11 AT12 AT13 AT14 AT15 AT16 AT17 AT18 AT19 AT20							
PGUJ3C	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	PB-CORE-3	0.67 - 1.0				1							
PGUJ3D	REG	SOIL	COMP	07/01/03	RWMC - PIT 9	UNDERBURDEN	PB-CORE-3	0.0 - 1.0				1							
PGUJ3E	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	PB-CORE-3	1.0 - 1.33				1							
PGUJ3F	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	PB-CORE-3	1.34 - 1.66				1							
PGUJ3G	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	PB-CORE-3	1.67 - 2.0				1							
PGUJ3H	REG	SOIL	COMP	07/01/03	RWMC - PIT 9	UNDERBURDEN	PB-CORE-3	1.0 - 2.0				1							
PGUJ3I	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	PB-CORE-3	2.0 - 2.33				1							
PGUJ3J	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	PB-CORE-3	2.34 - 2.66				1							
PGUJ3K	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	PB-CORE-3	2.67 - 3.0				1							
PGUJ3L	REG	SOIL	COMP	07/01/03	RWMC - PIT 9	UNDERBURDEN	PB-CORE-3	2.0 - 3.0				1							
PGUJ3M	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	PB-CORE-3	3.0 - 3.33				1							
PGUJ3N	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	PB-CORE-3	3.34 - 3.66				1							
PGUJ3O	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	PB-CORE-3	3.67 - 4.0				1							
PGUJ3P	REG	SOIL	COMP	07/01/03	RWMC - PIT 9	UNDERBURDEN	PB-CORE-3	3.0 - 4.0				1							
PGUJ3Q	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	PB-CORE-3	4.0 - 4.3				1							

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analyses per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER DIAPP. This will be specified in the laboratory contract.

Analysis Suite #3: Isotopic Plutonium includes Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 4.67 to 5.0 ft. will be taken from the deepest available position in cores where the core is less than 5 ft in length.

Contingencies:

Analysis Suites:

- Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals
- Analysis Suite #2: Am-241, Nr-227, Gamma Spec., Bism-140, Radium-226
- Analysis Suite #3: Arhns, Major Cations

DRAFT

Project: OU 7-10 GLOVERBOX EXCAVATOR METHOD PROJECT

Project Manager: SALOMON, H.

SMO Contact: MCGRIFF, T.W.

Sampling Activity	Sample Type	Sample Matrix	Coll Type	Planned Date	Area	Type of Location	Location	Enter Analysis Types (A1) and Quantity Requested																	
								A1	A12	A13	A14	A15	A16	A17	A18	A19	A10	A11	A11AT15	A11AT16	A11AT17	A11AT18	A11AT19	A11AT20	
PREGUAR	REG	SOIL	GRAB	07/01/03	RWMC - PT 9	UNDERBURDEN	PB-CORE-3	4.34 - 4.66									JA	9A	1G	CN	M7	NI	PC	SB	VA
PREGUAS	REG	SOIL	GRAB	07/01/03	RWMC - PT 9	UNDERBURDEN	PB-CORE-3	4.67 - 5.0									1								
PREGUAT	REG	SOIL	COMP	07/01/03	RWMC - PT 9	UNDERBURDEN	PB-CORE-3	4.0 - 5.0									1								
PREGUAO	REG	SOIL	GRAB	07/01/03	RWMC - PT 9	UNDERBURDEN	PB-CORE-4	TBD (0 - 5.0)									10	5	5	5	1	2			
PREGUAA	REG	SOIL	GRAB	07/01/03	RWMC - PT 9	UNDERBURDEN	PB-CORE-4	0.0 - 0.33									1								
PREGUAB	REG	SOIL	GRAB	07/01/03	RWMC - PT 9	UNDERBURDEN	PB-CORE-4	0.34 - 0.66									1								
PREGUAC	REG	SOIL	GRAB	07/01/03	RWMC - PT 9	UNDERBURDEN	PB-CORE-4	0.67 - 1.0									1								
PREGUAD	REG	SOIL	COMP	07/01/03	RWMC - PT 9	UNDERBURDEN	PB-CORE-4	0.0 - 1.0									1								
PREGUAE	REG	SOIL	GRAB	07/01/03	RWMC - PT 9	UNDERBURDEN	PB-CORE-4	1.0 - 1.33									1								
PREGUAF	REG	SOIL	GRAB	07/01/03	RWMC - PT 9	UNDERBURDEN	PB-CORE-4	1.34 - 1.96									1								
PREGUAG	REG	SOIL	GRAB	07/01/03	RWMC - PT 9	UNDERBURDEN	PB-CORE-4	1.67 - 2.0									1								
PREGUAH	REG	SOIL	COMP	07/01/03	RWMC - PT 9	UNDERBURDEN	PB-CORE-4	1.0 - 2.0									1								
PREGUAN	REG	SOIL	GRAB	07/01/03	RWMC - PT 9	UNDERBURDEN	PB-CORE-4	2.0 - 2.33									1								
PREGUAR	REG	SOIL	GRAB	07/01/03	RWMC - PT 9	UNDERBURDEN	PB-CORE-4	2.34 - 2.66									1								
PREGUAK	REG	SOIL	GRAB	07/01/03	RWMC - PT 9	UNDERBURDEN	PB-CORE-4	2.67 - 3.0									1								

The sampling activity displayed on this table represents the first six characters of the sample identification number.

AT1: Analysis Suite #1: The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

Comments:
 Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WFPZ Protocol and will include WFPZ required target analyses per WFPZ methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #3: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #4: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #5: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #6: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals, Nitrate, Am-231, Ne-231, Gamma Spec, Pluton, U-235, Radon-226

Analysis Suite #7: Anions, Major Cations

Analysis Suite #8: VOCs (TAL)

Analysis Suite #9: Contingencies:

DRAFT

Project: OU 7.0 GLOVEBOX EXCAVATOR/METHOD PROJECT

Project Manager: SALOMON, H.

SMO Contact: MCGRIFF, T.W.

Sampling Activity	Sample Type	Sample Matrix	Cell Type	Planned Date	Area	Type of Location	Location	Depth (ft)	Enter Analysis Types (AT) and Quantity Requested												
									AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	
P9GUAL	REG	SOIL	COMP	07/01/03	RWMC - PT9	UNDERBURDEN	P9-CORE-4	20 - 30													
P9GULM	REG	SOIL	GRAB	07/01/03	RWMC - PT9	UNDERBURDEN	P9-CORE-4	30 - 33													
P9GUAN	REG	SOIL	GRAB	07/01/03	RWMC - PT9	UNDERBURDEN	P9-CORE-4	3.34 - 3.66													
P9GUAO	REG	SOIL	GRAB	07/01/03	RWMC - PT9	UNDERBURDEN	P9-CORE-4	3.67 - 4.0													
P9GUAP	REG	SOIL	COMP	07/01/03	RWMC - PT9	UNDERBURDEN	P9-CORE-4	3.0 - 4.0													
P9GUAQ	REG	SOIL	GRAB	07/01/03	RWMC - PT9	UNDERBURDEN	P9-CORE-4	4.0 - 4.33													
P9GUAR	REG	SOIL	GRAB	07/01/03	RWMC - PT9	UNDERBURDEN	P9-CORE-4	4.34 - 4.66													
P9GUAS	REG	SOIL	GRAB	07/01/03	RWMC - PT9	UNDERBURDEN	P9-CORE-4	4.67 - 5.0													
P9GUAT	REG	SOIL	COMP	07/01/03	RWMC - PT9	UNDERBURDEN	P9-CORE-4	4.0 - 5.0													
P9GUAS0	REG	SOIL	GRAB	07/01/03	RWMC - PT9	UNDERBURDEN	P9-CORE-5A	TBD (0.0 - 5.0)													
P9GUAS1	REG	SOIL	GRAB	07/01/03	RWMC - PT9	UNDERBURDEN	P9-CORE-5A	0.0 - 1.33													
P9GUAS2	REG	SOIL	GRAB	07/01/03	RWMC - PT9	UNDERBURDEN	P9-CORE-5A	0.34 - 0.66													
P9GUAS3C	REG	SOIL	GRAB	07/01/03	RWMC - PT9	UNDERBURDEN	P9-CORE-5A	0.67 - 1.0													
P9GUASD	REG	SOIL	COMP	07/01/03	RWMC - PT9	UNDERBURDEN	P9-CORE-5A	0.0 - 1.0													
P9GUE	REG	SOIL	GRAB	07/01/03	RWMC - PT9	UNDERBURDEN	P9-CORE-5A	1.0 - 1.33													

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Crayonite (Total & Amenable)

AT5: Measure Content

AT6: Nitrate

AT7: PCBs

AT8: Sequencing Radionuclide Extractions

AT9: VOCs (TAL)

AT10: Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, No-237, Gamma Spec., Butene, U-Ho, Radium-226

Analysis Suite #3: Anions, Major Cations

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analyses per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242 isotopic Uranium includes U-232/234, U-235 and U-238.

VOC grab samples (solid) as being taken from 4.67 to 5.0 ft, will be taken from the deepest available position in cases where the core is less than 5 ft in length.

Confidential:

DRAFT

Project Manager: SALOMON, H.

SNO Contact: MCGRUFF, T. W.

Sampling Activity	Sample Description			Sample Location			Enter Analysis Type(s) (A1) and Quantity Requested																			
	Sample Type	Sample Matrix	Cell Type	Planned Date	Area	Type of Location	Location	A1	A12	A13	A14	A15	A16	A17	A18	A19	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19
PGU1SF	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-SA										JA	JA	IG	CN	M7	N1	PC	S8	VA	
PGU1SG	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-SA										1.34 - 1.66									
PGU1SH	REG	SOIL	COMP	07/01/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-SA										1.67 - 2.20									
PGU1S1	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-SA										1.0 - 2.0									
PGU1S1I	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-SA										2.0 - 2.33									
PGU1SK	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-SA										2.34 - 2.66									
PGU1SL	REG	SOIL	COMP	07/01/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-SA										2.67 - 3.10									
PGU1SM	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-SA										2.0 - 3.0									
PGU1SN	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-SA										3.0 - 3.33									
PGU1SO	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-SA										3.34 - 3.66									
PGU1SP	REG	SOIL	COMP	07/01/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-SA										3.67 - 4.0									
PGU1SU	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-SA										3.0 - 4.0									
PGU1SR	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-SA										4.0 - 4.33									
PGU1SS	REG	SOIL	GRAB	07/01/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-SA										4.34 - 4.66									
PGU1ST	REG	SOIL	COMP	07/01/03	RWMC - PIT 9	UNDERBURDEN	P9-CORE-SA										4.67 - 5.0									
							P9-CORE-SA										4.0 - 5.0									

The sampling activity displayed on this table represents the first six characters of the sample identification number:
 A1: Analysis Suite #1
 A2: Analysis Suite #2
 A3: Analysis Suite #3
 A4: Cradle (Total & Amenable)
 A5: Moisture Content
 A6: Nitrate
 A7: PCBs
 A8: Sequential Radionuclide Extractions
 A9: VOCs (TAL)
 A10: VOCs samples noted as being taken from 4.67 to 5.0 ft. will be taken from the deepest available position in cases where the core is less than 5 ft in length.

The complete sample identification number (10 characters) will appear on field guidance forms and sample labels:

A11: Contingencies

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocols and will include WIPP required target analyses per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER GRuP. This will be specified in the laboratory contract.

Analysis Suite #3: Analytical activities conducted in support of this suite will be performed in accordance with the ER GRuP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 4.67 to 5.0 ft. will be taken from the deepest available position in cases where the core is less than 5 ft in length.

Analysis Suite #4: Contingencies

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals
 Analysis Suite #2: Am-241, Ne-237, Gamma Spec, Pu-140, U-235, Radium-226
 Analysis Suite #3: Anions, Major Cations

Plan Table Number: PIT 9 GEN PROJ
 SAP Number: INEEQEXT-02-00542
 Date: 07/10/2002 Plan Table Revision: 1.0 Project: OU-7-10 GLOVEBOX EXCAVATOR/METHOD PROJECT

DRAFT

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Page 13 of 24

Project Manager: SALOMON, H.

SMO Contact: MCGRIFF, T.W.

Sampling Activity	Sample Description			Sample Location			Either Analysis Types (AT) and Quantity Requested																				
	Sample Type	Sample Matrix	Cell Type	Planned Date	Age	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19
PGU50	OC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-SB	TBD (0.0 - 5.0)	3A	3A	IG	CN	M7	N1	PC	S8	VA										
PGU5A	OC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-SB	0.0 - 0.33										10	5	5							
PGU5B	OC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-SB	0.06 - 0.34																			
PGU5C	OC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-SB	1.0 - 0.67																			
PGU5D	OC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-SB	0.0 - 1.0																			
PGU5E	OC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-SB	1.0 - 1.33																			
PGU5F	OC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-SB	1.34 - 1.66																			
PGU5G	OC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-SB	1.67 - 2.0																			
PGU5H	OC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-SB	1.0 - 2.0																			
PGU5I	OC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-SB	2.0 - 2.33																			
PGU5J	OC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-SB	2.34 - 2.66																			
PGU5K	OC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-SB	2.67 - 3.0																			
PGU5L	OC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-SB	2.0 - 3.0																			
PGU5M	OC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-SB	3.0 - 3.33																			
PGU5N	OC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-SB	3.34 - 3.66																			

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Cyanide (Total & Amenable)

AT5: Moisture Content

AT6: Herds

AT7: PCBs

AT8: Squeueled Radionuclide Extractions

AT9: VOCs (TAL)

AT10: Analysis Suites:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Ni-231, Gamma Spec., BuSe, U-230, Radon-226

Analysis Suite #3: Arion, Major Cations

Comments:
 Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analyses per WIPP methods.

This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238/240 and Pu-242. Isotopic Uranium includes U-232/234,

U-235 and U-238

VOC grab samples void as being taken from 4.67 to 5.0 ft. will be taken from the deepest available position in cases where the core is less than 5 ft in length.

Configurations:

AT11: _____

AT12: _____

AT13: _____

AT14: _____

AT15: _____

AT16: _____

AT17: _____

AT18: _____

AT19: _____

AT20: _____

Plan Table Number: PIT 9 GEN PROFILE

SAP Number: IIEEFLTEXT-02-00542

Date: 07/10/2002 Plan Table Revision: 1.0

Project: OU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT

Project Manager: SALOMON, H

DRAFT

Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Sampling Activity	Sample Description						Sample Location												Enter Analysis Types (AT) and Quantity Requested														
	Sample Type	Sample Matrix	Sample Coll. Type	Planned Date	Area	Type of Location	Location			Depth (ft)			3A	9A	1G	CN	M7	N1	PC	SB	VA												
PGU60	QC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B			3.67 - 4.0			1																				
PGU6P	QC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B			3.0 - 4.0			1																				
PGU6Q	QC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B			4.33 - 4.0			1																				
PGU6R	QC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B			4.66 - 4.34			1																				
PGU6S	QC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B			4.67 - 5.0			1																				
PGU6T	QC	SOIL	DUP	07/01/03	RWMC-PIT 9	UNDERBURDEN	P9-CORE-5B			4.0 - 5.0			1																				
PGW01	QC	WASTE	DUP	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD			N/A			2																				
PGW02	REG	WASTE	COMP	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD			N/A			1																				
PGW03	REG	WASTE	COMP	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD			N/A			1																				
PGW04	REG	WASTE	COMP	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD			N/A			1																				
PGW05	REG	WASTE	COMP	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD			N/A			1																				
PGW06	REG	WASTE	COMP	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD			N/A			1																				
PGW07	REG	WASTE	COMP	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD			N/A			1																				
PGW08	REG	WASTE	COMP	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD			N/A			1																				
PGW09	REG	WASTE	COMP	07/01/03	RWMC-PIT 9	WASTE ZONE	TBD			N/A			1																				

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

AT1: Analysis Suite #1

AT2: Analysis Suite #2

AT3: Analysis Suite #3

AT4: Crayon (Total & Amenable)

AT5: Medium Content

AT6: Nitrate

AT7: PCBs

AT8: Sequential Radionuclide Extractions

AT9: VOCs (TAL)

AT10:

AT11:

AT12:

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Contingencies:

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WHPP protocol and will include WHPP required target analysis per WHPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-235 and U-238.

VOC grab samples (total) as being taken from 4.57 to 5.0 ft., will be taken from the deepest available position in cases where the core is less than 5 ft in length.

Analysis Suites:

Analysis Suite #1: Nitrile, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Nr-237, Gamma Spec, Pu-140, U-235, Radium-226

Analysis Suite #3: Arsenic, Major Cations

DRAFT

Project Manager: SALOMON, H.

SMO Contact: MCGRIFF, T.W.

Sample Description

Sampling Activity	Sample Type	Sample Matrix	Cell Type	Planned Date	Area	Type of Location	Location	Depth (ft)	Either Analysis Types (AT) and Quantity Requested																			
									AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
PRGW10	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A	3A	9A	1G	CN	M7	N1	PC	S8	VA											
PRGW11	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
PRGW12	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
PRGW13	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
PRGW14	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
PRGW15	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
PRGW16	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
PRGW17	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
PRGW18	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
PRGW19	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
PRGW20	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
PRGW21	REG/OC	WASTE	DUP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
PRGW22	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
PRGW23	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				
PRGW24	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A																				

The sampling activity displayed on this table represents the first six characters of the sample identification number.

The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analysis per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #3: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Analysis Suite #4: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

VOC grab samples noted as being taken from 4.6 to 5.0 ft. will be taken from the deepest available position in cases where the core is less than 5 ft in length.

Configurations:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals, Alpha 231, Gamma Spec., Pu-239, U-235, Radium-226

Analysis Suite #2: Major Cations

Analysis Suite #3: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals, Alpha 231, Gamma Spec., Pu-239, U-235, Radium-226

Plan Table Number: PIT 9 GEM PROFILE

SAP Number: INEEL/EXT-02-00542

Date: 07/02/2002 Plan Table Revision: 1.0

DRAFT

Project: OU-7-10 GLOVEBOX EXCAVATOR METHOD PROJECT

Project Manager: SALOMON, H.

SMO Contact: MCGRIFF, T. W.

Sample Description				Sample Location				Enter Analysis Types (AT) and Quantity Requested																							
Sampling Activity	Sample Type	Sample Matrix	Cell Type	Planned Date	Area	Type of Location	Location	Depth (ft)				AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19	AT20
PGW55	REG	WASTE	COMP	07/01/03	RWM/C-PT9	WASTE ZONE	TBD	N/A				3A	9A	1G	CN	M7	N1	PC	SB	VA											
PGW56	REG	WASTE	COMP	07/01/03	RWM/C-PT9	WASTE ZONE	TBD	N/A																							
PGW57	REG	WASTE	COMP	07/01/03	RWM/C-PT9	WASTE ZONE	TBD	N/A																							
PGW58	REG	WASTE	COMP	07/01/03	RWM/C-PT9	WASTE ZONE	TBD	N/A																							
PGW59	REG	WASTE	COMP	07/01/03	RWM/C-PT9	WASTE ZONE	TBD	N/A																							
PGW60	REG	WASTE	COMP	07/01/03	RWM/C-PT9	WASTE ZONE	TBD	N/A																							
PGW61	REG/C	WASTE	DUP	07/01/03	RWM/C-PT9	WASTE ZONE	TBD	N/A																							
PGW62	REG	WASTE	COMP	07/01/03	RWM/C-PT9	WASTE ZONE	TBD	N/A																							
PGW63	REG	WASTE	COMP	07/01/03	RWM/C-PT9	WASTE ZONE	TBD	N/A																							
PGW64	REG	WASTE	COMP	07/01/03	RWM/C-PT9	WASTE ZONE	TBD	N/A																							
PGW65	REG	WASTE	COMP	07/01/03	RWM/C-PT9	WASTE ZONE	TBD	N/A																							
PGW66	REG	WASTE	COMP	07/01/03	RWM/C-PT9	WASTE ZONE	TBD	N/A																							
PGW67	REG	WASTE	COMP	07/01/03	RWM/C-PT9	WASTE ZONE	TBD	N/A																							
PGW68	REG	WASTE	COMP	07/01/03	RWM/C-PT9	WASTE ZONE	TBD	N/A																							
PGW69	REG	WASTE	COMP	07/01/03	RWM/C-PT9	WASTE ZONE	TBD	N/A																							

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analyses per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER OLPP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 0'-6' to 50' ft. will be taken from the deepest available position in cases where the core is less than 5 ft in length.

Contingencies:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals.

Analysis Suite #2: Am-241, Ne-237, Gamma Spec, Pu-190, U-235, Radium-226.

Analysis Suite #3: Aromatic, Major Cations

Plan Table Number: PIT 9 GEM PROFILE

SAP Number: IHEELEX-102-00542

Date: 07/10/2002

Plan Table Revision: 1.0

Project: OUT 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT

DRAFT

Project Manager: SALOMON, H.

SHO Contact: MCGRIFF, T. W.

Sampling Activity	Sample Type	Sample Matrix	Coll Type	Planned Date	Area	Type of Location	Location	Depth (ft)	Enter Analysis Type(s) (A1) and Quantity Requested																		
									A1	A12	A13	A14	A15	A16	A17	A18	A19	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19
P9GW70	REG	WASTE	COMP	07/01/03	RWM/C-PTT 9	WASTE ZONE	TBD	N/A	JA	SA	1G	CN	M7	N1	PC	SB	VA										
P9GW71	REG	WASTE	COMP	07/01/03	RWM/C-PTT 9	WASTE ZONE	TBD	N/A																			
P9GW72	REG	WASTE	COMP	07/01/03	RWM/C-PTT 9	WASTE ZONE	TBD	N/A																			
P9GW73	REG	WASTE	COMP	07/01/03	RWM/C-PTT 9	WASTE ZONE	TBD	N/A																			
P9GW74	REG	WASTE	COMP	07/01/03	RWM/C-PTT 9	WASTE ZONE	TBD	N/A																			
P9GW75	REG	WASTE	COMP	07/01/03	RWM/C-PTT 9	WASTE ZONE	TBD	N/A																			
P9GW76	REG	WASTE	COMP	07/01/03	RWM/C-PTT 9	WASTE ZONE	TBD	N/A																			
P9GW77	REG	WASTE	COMP	07/01/03	RWM/C-PTT 9	WASTE ZONE	TBD	N/A																			
P9GW78	REG	WASTE	COMP	07/01/03	RWM/C-PTT 9	WASTE ZONE	TBD	N/A																			
P9GW79	REG	WASTE	COMP	07/01/03	RWM/C-PTT 9	WASTE ZONE	TBD	N/A																			
P9GW80	REG	WASTE	COMP	07/01/03	RWM/C-PTT 9	WASTE ZONE	TBD	N/A																			
P9GW81	REG/QC	WASTE	DUP	07/01/03	RWM/C-PTT 9	WASTE ZONE	TBD	N/A																			
P9GW82	REG	WASTE	COMP	07/01/03	RWM/C-PTT 9	WASTE ZONE	TBD	N/A																			
P9GW83	REG	WASTE	COMP	07/01/03	RWM/C-PTT 9	WASTE ZONE	TBD	N/A																			
P9GW84	REG	WASTE	COMP	07/01/03	RWM/C-PTT 9	WASTE ZONE	TBD	N/A																			

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number [10 characters] will appear on field guidance forms and sample labels.

Comments: Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target anal/yes/no WIPP methods.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER O&P. This will be specified in the laboratory contract.

Analysis Suite #3: Analytical activities conducted in support of this suite will be performed in accordance with the ER O&P. This will be specified in the laboratory contract.

Analysis Suite #4: Analytical activities conducted in support of this suite will be performed in accordance with the ER O&P. This will be specified in the laboratory contract.

Analysis Suite #5: Analytical activities conducted in support of this suite will be performed in accordance with the ER O&P. This will be specified in the laboratory contract.

Analysis Suite #6: Analytical activities conducted in support of this suite will be performed in accordance with the ER O&P. This will be specified in the laboratory contract.

Analysis Suite #7: Analytical activities conducted in support of this suite will be performed in accordance with the ER O&P. This will be specified in the laboratory contract.

Analysis Suite #8: Analytical activities conducted in support of this suite will be performed in accordance with the ER O&P. This will be specified in the laboratory contract.

Analysis Suite #9: Analytical activities conducted in support of this suite will be performed in accordance with the ER O&P. This will be specified in the laboratory contract.

Analysis Suite #10: VOC grab samples noted as being taken from 4.67 to 5.0 ft. will be taken from the deepest available position in cases where the core is less than 5 ft in length.

Analysis Suite #11: VOCs (TAL)

Analysis Suite #12: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #13: Am-241, Rb-227, Gamma Spec., Pt-190, U-230, Radium-226

Analysis Suite #14: Arsenic, Major Cations

Analysis Suite #15: Contingencies:

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Sample Description			Sample Location			Enter Analysis Types (A1) and Quantity Requested												A1		A2		A3		A4		A5		A6		A7		A8		A9		A10		A11		A12		A13		A14		A15		A16		A17		A18		A19		A20	
Sampling Activity	Sample Type	Sample Matrix	Planned Date	Type of Location	Location	Depth (ft)		A1		A2		A3		A4		A5		A6		A7		A8		A9		A10		A11		A12		A13		A14		A15		A16		A17		A18		A19		A20											
PRGM85	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE		TBD		N/A		1						N/A																																							
PRGM86	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE		TBD		N/A		1																																													
PRGM87	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE		TBD		N/A		1																																													
PRGM88	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE		TBD		N/A		1																																													
PRGM89	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE		TBD		N/A		1																																													
PRGM90	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE		TBD		N/A		1																																													
PRGM91	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE		TBD		N/A		1																																													
PRGM92	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE		TBD		N/A		1																																													
PRGM93	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE		TBD		N/A		1																																													
PRGM94	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE		TBD		N/A		1																																													
PRGM95	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE		TBD		N/A		1																																													
PRGM96	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE		TBD		N/A		1																																													
PRGM97	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE		TBD		N/A		1																																													
PRGM98	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE		TBD		N/A		1																																													
PRGM99	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE		TBD		N/A		1																																													

The sampling activity displayed on this table represents the first six characters of the sample identification number (10 characters) will appear on field guidance forms and sample labels.

Comments:

- A1: Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with NIFP protocol and will include NIFP regulated target analyses per NIFP methods.
- A12: This will be specified in the laboratory contract.
- A13: Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the EH QAPP. This will be specified in the laboratory contract.
- A14: Analysis Suite #3: Analytical activities conducted in support of this suite will be performed in accordance with the EH QAPP. This will be specified in the laboratory contract.
- A15: Analysis Suite #4: Analytical activities conducted in support of this suite will be performed in accordance with the EH QAPP. This will be specified in the laboratory contract.
- A16: Analysis Suite #5: Analytical activities conducted in support of this suite will be performed in accordance with the EH QAPP. This will be specified in the laboratory contract.
- A17: Analysis Suite #6: Analytical activities conducted in support of this suite will be performed in accordance with the EH QAPP. This will be specified in the laboratory contract.
- A18: Analysis Suite #7: Analytical activities conducted in support of this suite will be performed in accordance with the EH QAPP. This will be specified in the laboratory contract.
- A19: VOCs (TAL)
- A10: VOCs (TAL)
- A11: VOCs (TAL)
- A12: VOCs (TAL)
- A13: VOCs (TAL)
- A14: VOCs (TAL)
- A15: VOCs (TAL)
- A16: VOCs (TAL)
- A17: VOCs (TAL)
- A18: VOCs (TAL)
- A19: VOCs (TAL)
- A20: Contingencies:

Analysis Suites:

- Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Gamma Soots, Pu-239, U-238, Radon-226
- Analysis Suite #2: Am-241, Nr-237, Gamma Soots, Pu-239, U-238, Radon-226
- Analysis Suite #3: Anions, Major Cations

DRAFT

Date: 07/01/2002

Project Manager: SALOMON, H.

SMO Contact: MCGRIFF, T.W.

Sampling Activity	Sample Description			Sample Location			Enter Analysis Types (AT) and Quantity Requested																				
	Sample Type	Sample Matrix	Coll. Type	Planned Date	Area	Type of Location	Location	Depth (ft)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19
PGWHA1	REG/OC	WASTE	DUP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A	2																		
PGWHA2	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A	1																		
PGWHA3	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A	1																		
PGWHA4	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A	1																		
PGWHA5	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A	1																		
PGWHA6	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A	1																		
PGWHA7	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A	1																		
PGWHA8	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A	1																		
PGWB1	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A	1																		
PGWB2	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A	1																		
PGWB3	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A	1																		
PGWB4	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A	1																		
PGWB5	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A	1																		
PGWB6	REG	WASTE	COMP	07/01/03	RWM/C-PT 9	WASTE ZONE	TBD	N/A	1																		

The sampling activity displayed on this table represents the first six characters of the sample identification number.
AT1: Analysis Suite #1

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WPP protocol and will include WPP required target analyses per WPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with the ER QAPP. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242, isotopic Uranium includes U-232/234, U-235 and U-238.

VOC grab samples noted as being taken from 4-6 to 0-8', will be taken from the deepest available position in cases where the core is less than 5 ft in length.

Comments:

Analysis Suite #1: Nitrate, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals
Analysis Suite #2: Am-241, Ne-237, Gamma Spect., Plutio, U-160, Radium-226

Analysis Suite #3: Anions, Major Cations

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Plan Table Number: PT 9 GEM PROJ

SAP Number: INEEL/EXT-02-05942

Date: 07/10/2002

Plan Table Revision: 1.0

Project: OU-7-10 GLOVEBOX EXCAVATOR METHOD PROJECT

Project Manager: SALOMON, H.

SAM Contact: MOGRIFF, T.W.

Sampling Activity	Sample Description			Sample Location			Enter Analysis Types (AT) and Quantity Requested																				
	Sample Type	Sample Matrix	Col Type	Planned Date	Area	Type of Location	Location	Depth (m)	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	AT11	AT12	AT13	AT14	AT15	AT16	AT17	AT18	AT19
PGWMB7	REG	WASTE	COMP	07/01/03	RWMIC-PT 9	WASTE ZONE	TBD	N/A	3A	3A	1G	CN	M7	N1	PC	SB	VA										
PGWMB8	REG	WASTE	COMP	07/01/03	RWMIC-PT 9	WASTE ZONE	TBD	N/A																			
PGWMB9	REG	WASTE	COMP	07/01/03	RWMIC-PT 9	WASTE ZONE	TBD	N/A																			
PGWMC1	REG	WASTE	COMP	07/01/03	RWMIC-PT 9	WASTE ZONE	TBD	N/A																			
PGWMC2	REG	WASTE	COMP	07/01/03	RWMIC-PT 9	WASTE ZONE	TBD	N/A																			
PGWMC3	REG	WASTE	DUP	07/01/03	RWMIC-PT 9	WASTE ZONE	TBD	N/A																			
PGWMC4	REG	WASTE	COMP	07/01/03	RWMIC-PT 9	WASTE ZONE	TBD	N/A																			
PGWMC5	REG	WASTE	COMP	07/01/03	RWMIC-PT 9	WASTE ZONE	TBD	N/A																			
PGWMC6	REG	WASTE	COMP	07/01/03	RWMIC-PT 9	WASTE ZONE	TBD	N/A																			
PGWMC7	REG	WASTE	COMP	07/01/03	RWMIC-PT 9	WASTE ZONE	TBD	N/A																			
PGWCB8	REG	WASTE	COMP	07/01/03	RWMIC-PT 9	WASTE ZONE	TBD	N/A																			
PGWCB9	REG	WASTE	COMP	07/01/03	RWMIC-PT 9	WASTE ZONE	TBD	N/A																			
PGWMD1	REG	WASTE	COMP	07/01/03	RWMIC-PT 9	WASTE ZONE	TBD	N/A																			
PGWMD2	REG	WASTE	COMP	07/01/03	RWMIC-PT 9	WASTE ZONE	TBD	N/A																			
PGWMD3	REG	WASTE	COMP	07/01/03	RWMIC-PT 9	WASTE ZONE	TBD	N/A																			

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

AT1:

Analysis Suite #1

AT2:

Analysis Suite #2

AT3:

Analysis Suite #3

AT4:

Oxide (Total & Amenable)

AT5:

Moisture Content

AT6:

Merch.

AT7:

PCBs

AT8:

Sequential Radionuclide Extractions

AT9:

VOCs (TAL)

AT10:

Analysis Suites:

Analysis Suite #1: Metals, PCBs, SVOCs (TAL), VOCs (TAL), Total Metals

Analysis Suite #2: Am-241, Ni-237, Gamma Spec., Pb-238, U-233/234

Analysis Suite #3: Anions, Major Cations

Comments:

Analysis Suite #1: Analytical activities conducted in support of this suite will be performed in accordance with WIPP protocol and will include WIPP required target analyses per WIPP methods. This will be specified in the laboratory contract.

Analysis Suite #2: Analytical activities conducted in support of this suite will be performed in accordance with ER Chipp. This will be specified in the laboratory contract.

Isotopic Plutonium includes Pu-238, Pu-239/240 and Pu-242. Isotopic Uranium includes U-233/234, U-235 and U-238.

VOC grab samples noted as being taken from 4'6" to 5'0" will be taken from the deepest available position in cases where the core is less than 5' in length.

Contingencies:

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SAB Wintersberg

Date: 07/18/2002 Plan Table Revision: 10 Project: NL7-10 CLOVERBOX EXCAVATOR

DRAFT

Statistical Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number _____ Date _____

SAC Number: INEUEXY-02-00542

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Project UU 7-10 GLOVEBOX EXCAVATOR METHOD PROJECT

Project Manager: SALOMON, H.

